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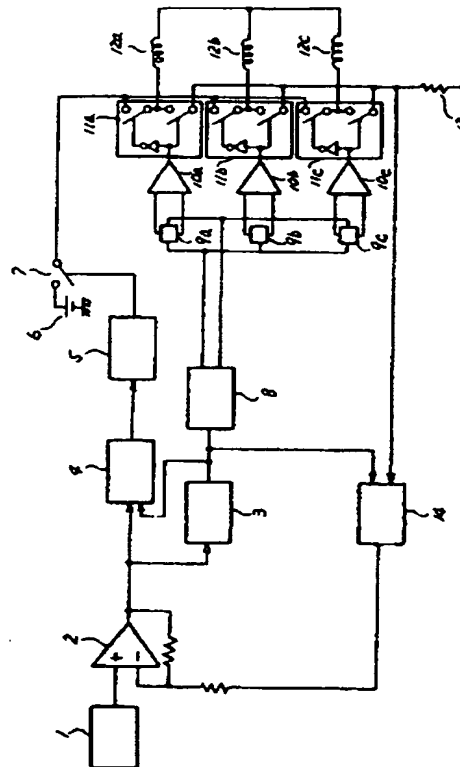
APPLICATION DATE : 26-10-84
APPLICATION NUMBER : 59223953

APPLICANT : HITACHI LTD;

INVENTOR : FURUICHI TOKINARI;

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TITLE : CURRENT CONTROL DRIVE CIRCUIT
OF BRUSHLESS MOTOR



ABSTRACT : PURPOSE: To equalize the forward torque to reverse torque by detecting the current of a stator coil, and current negatively feeding back an error signal through an amplifier for inverting in response to the detected value and the positive or negative of the error signal.

CONSTITUTION: Chopper means made of a PWM circuit 5 and a switch means 7 is driven according to the speed or phase error signal 1, and a current direction flowed to Hall elements 9a-9c is switched in response to the stator coils 12a-12c by a Hall element applying current converter 8 by the positive or negative of the error signal 1. A current detecting resistor 13 is inserted into the current path of the coils 12a-12c, the detected value and the error signal are input to an inverting and noninverting amplifier 14, the output of which is negatively fed back by the amplifier 2 to the error signal 1.

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